

Using Existing Registry Data to Identify and Address Gaps in Vaccine Reporting

Lisa Chambliss
Cindy Morgan
Matthew Francis
Jenne McKibben

Lane County Oregon



Extends from the coast...

Heceta Beach





...to the Cascades

Lane County Public Health

- Lane County Public Health Communicable Disease (LCPH CD) staff developed 2014-2015 Immunization Goals and Work Plan Document
 - Address various gaps in immunization coverage
 - Improve vaccination rates
 - Improve the participation of immunization providers that vaccinate **adults**



Immunization Plan Goals

1. Increase the immunization rate for children 24-35 months of age
2. Increase the number of providers in Lane County that are entering vaccines in ALERT IIS
3. Increase adolescent vaccine rates for Tdap, completing HPV series, Meningococcal vaccine
4. Reduce the rate of nonmedical exemptions in Lane County for the kindergarten cohort
5. Reduce the overall number of missed shots of clients seen at Lane County Public Health

ALERT IIS and LCPH

- Long-standing partners
- ALERT IIS provided Lane County with a list of all immunization providers currently using ALERT IIS
- LCPH compared this data to a list of all known immunization providers
- Public Health Nurse and a Nursing Student contacted potential target organizations



ALERT IIS



- 91% all immunizers in Oregon submit data
- 1632 organizations
 - immunization providers
 - schools and children's facilities
- 309 organizations enhanced HL7 submission in 2 years
 - real-time
 - batch
- 9770 active User Interface users
 - 10,272 inactive, disabled, terminated
 - super, standard, query-only, data upload only

Immunization Data

Providers may:

- only check patient immunization status
- not know about ALERT IIS
- provide immunizations but not submit data
- think they are submitting data

Pharmacies required to report to ALERT IIS

Increasing Provider Compliance

- Selected 2 large academic institutions as targeted institutions
 - Large population served
 - Large number of vaccinations given
 - Well structured
 - Poor overall use of ALERT IIS
 - High interest in ALERT IIS



Increase Number of Providers

Goal 2 – Activities

- Open lines of communication between the county and the target organization about vaccination reporting
- Assess provider barriers to using ALERT IIS
- Assess current usage
- Help move vaccine providers toward proper vaccination reporting using ALERT IIS
 - Focus on 2 organizations with a goal of full ALERT IIS usage by Dec 2015

Provider Communication

Providers were willing to talk about:

- ALERT IIS usage
- Barriers to using ALERT IIS
- Ways to improve work flow
 - using ALERT IIS data for clinical decision support
 - reporting to ALERT IIS



Barriers to using ALERT IIS

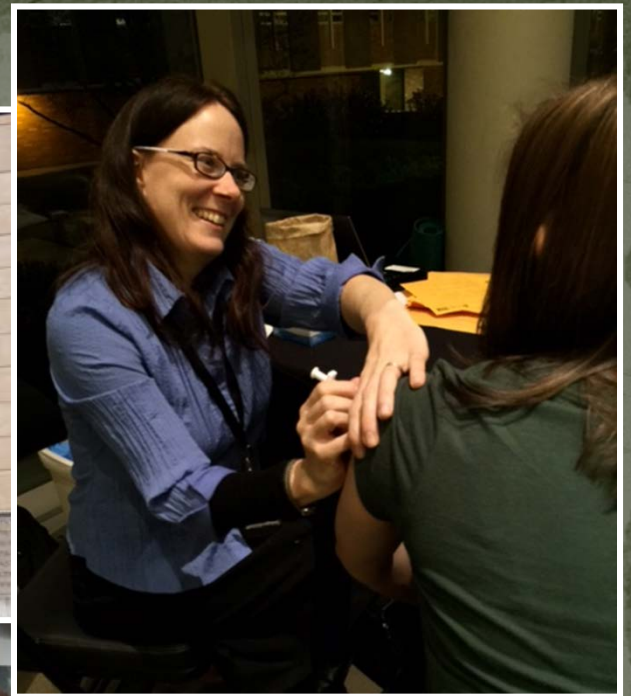
- Lack of staff/Lack of time
 - Needs to work into their clinical flow
 - Time investments for training and proper reporting
- Lack of knowledge about benefits to using ALERT IIS
 - What is the registry and why is it important
 - How can it help them
 - Importance to Public Health
- Lack of integration to their existing electronic health records
 - Some EHRs are not able to submit to ALERT IIS
 - What are the other options

Early Findings

- Definition of “Do you use ALERT” is quite broad
- Different organizations have different levels of current usage
- Confirmed some of the anecdotal evidence collected
 - Some organizations were interested in starting to report vaccinations to ALERT IIS
 - Some organizations had interest in increasing their use of ALERT IIS
 - Having “warm handoffs” when dealing with the registry
 - Local contact is important

Current Progress

- Lane County Public Health is working with targeted organizations to increase their reporting to ALERT IIS
- Attempting to address their barriers
 - Lack of EHR integration
 - Lack of understanding the importance of reporting immunizations
- Keeping up the dialogue and not letting them fall through the cracks
 - Opening up lines of communications to address ALERT IIS usage issues



Strengthening Partnerships

- Lane County Public Health
- University of Oregon
- Other local colleges
- Local Pharmacy
- State of Oregon
 - Immunization Program
 - Health Securities Preparedness & Response
 - Communicable Disease
 - Oregon Health Authority Leadership



Next Steps

- Leverage work done with meningococcal outbreak
- LCPH continue monitoring ALERT IIS usage for both Lane Community College and University of Oregon
- Continue partnership between ALERT IIS and LCPH
- Questions for LCPH?

Jenne McKibben

ALERT IIS Director

jenne.mckibben@state.or.us

Thank You

- ALERT IIS Staff
- Lane County Public Health Staff
 - Lisa Chambliss
 - Cindy Morgan
 - Matthew Francis
 - Darcy Batchelor

